FIG. 1 prior art

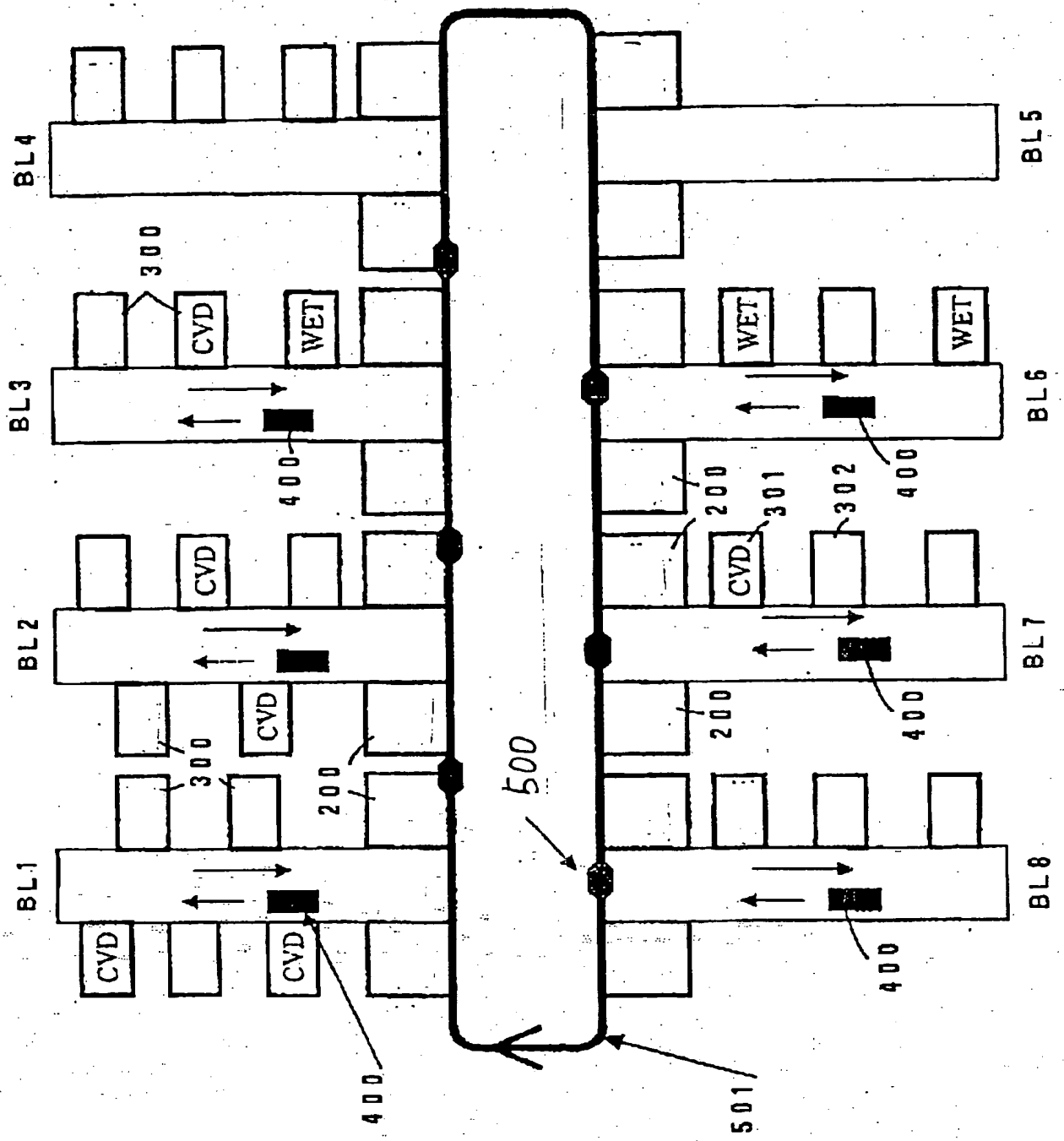


FIG. 2 prior art

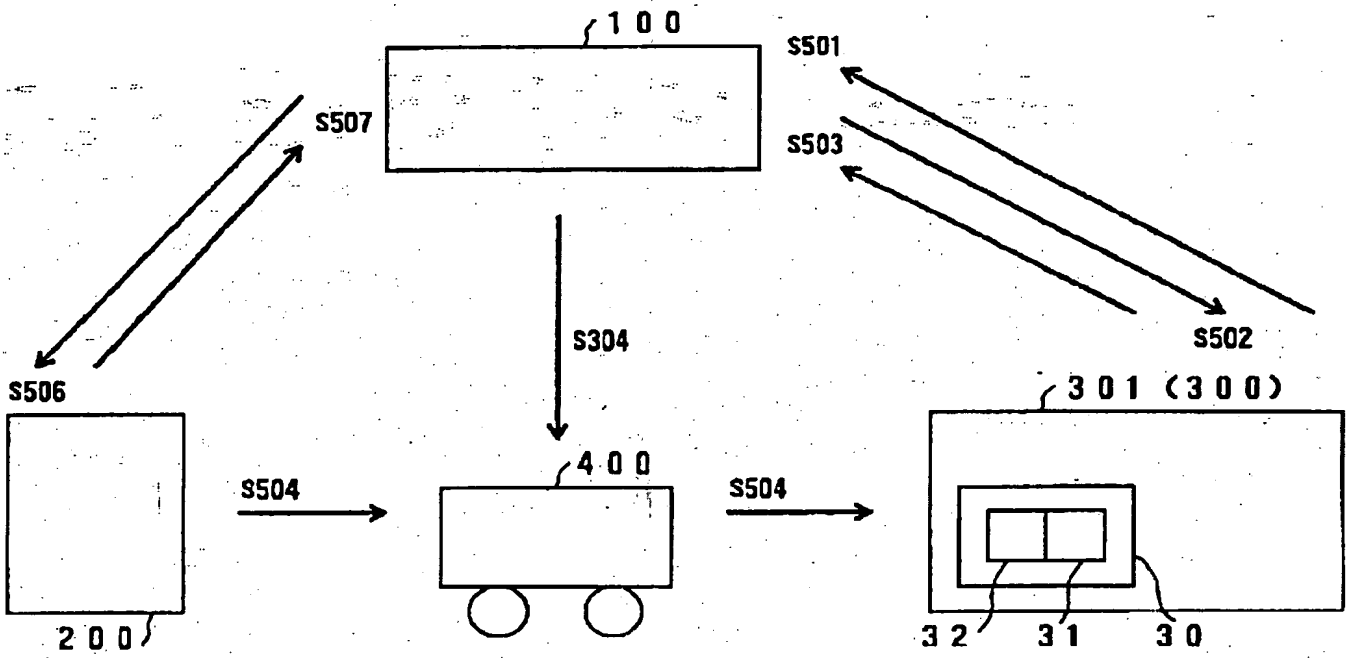


FIG. 3

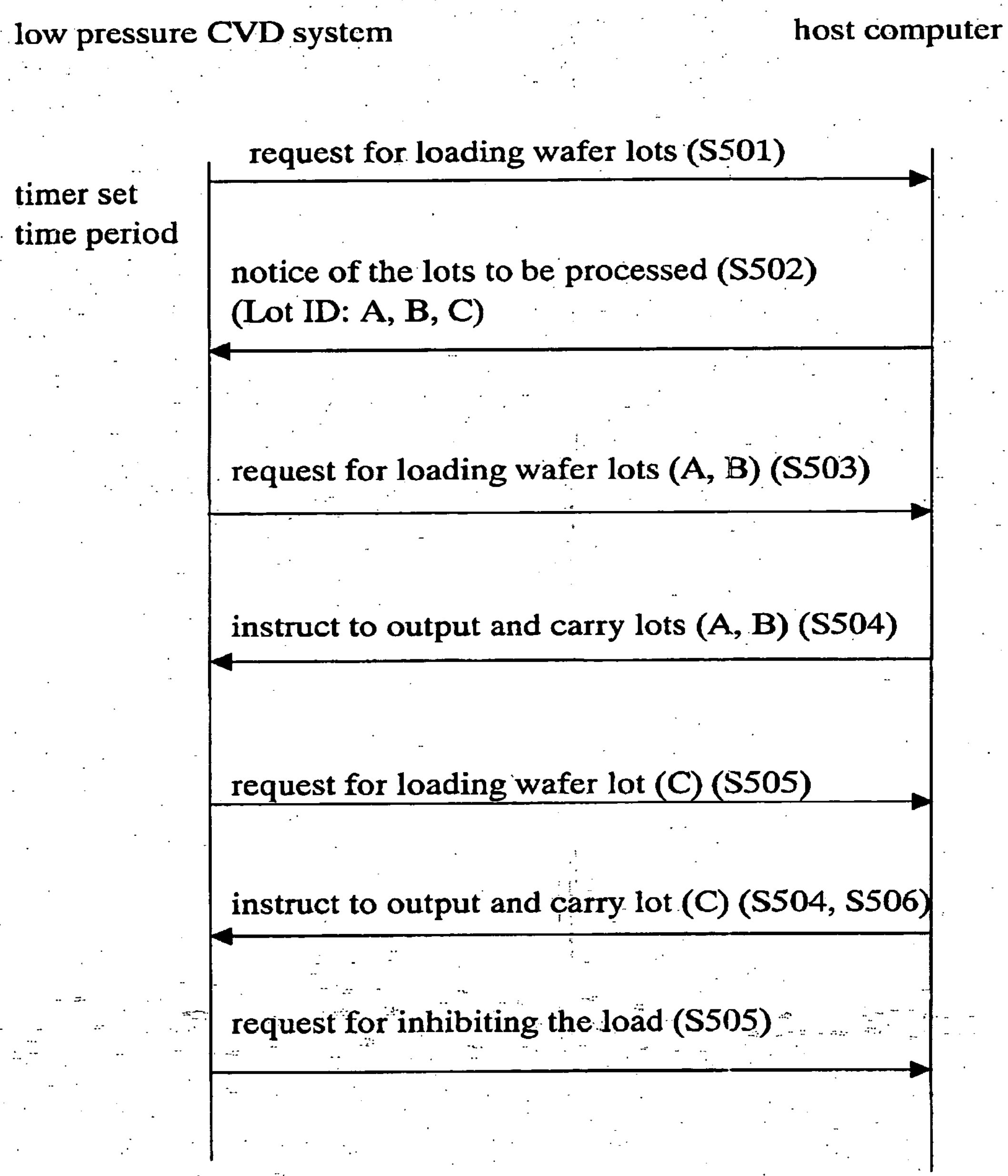


FIG. 4

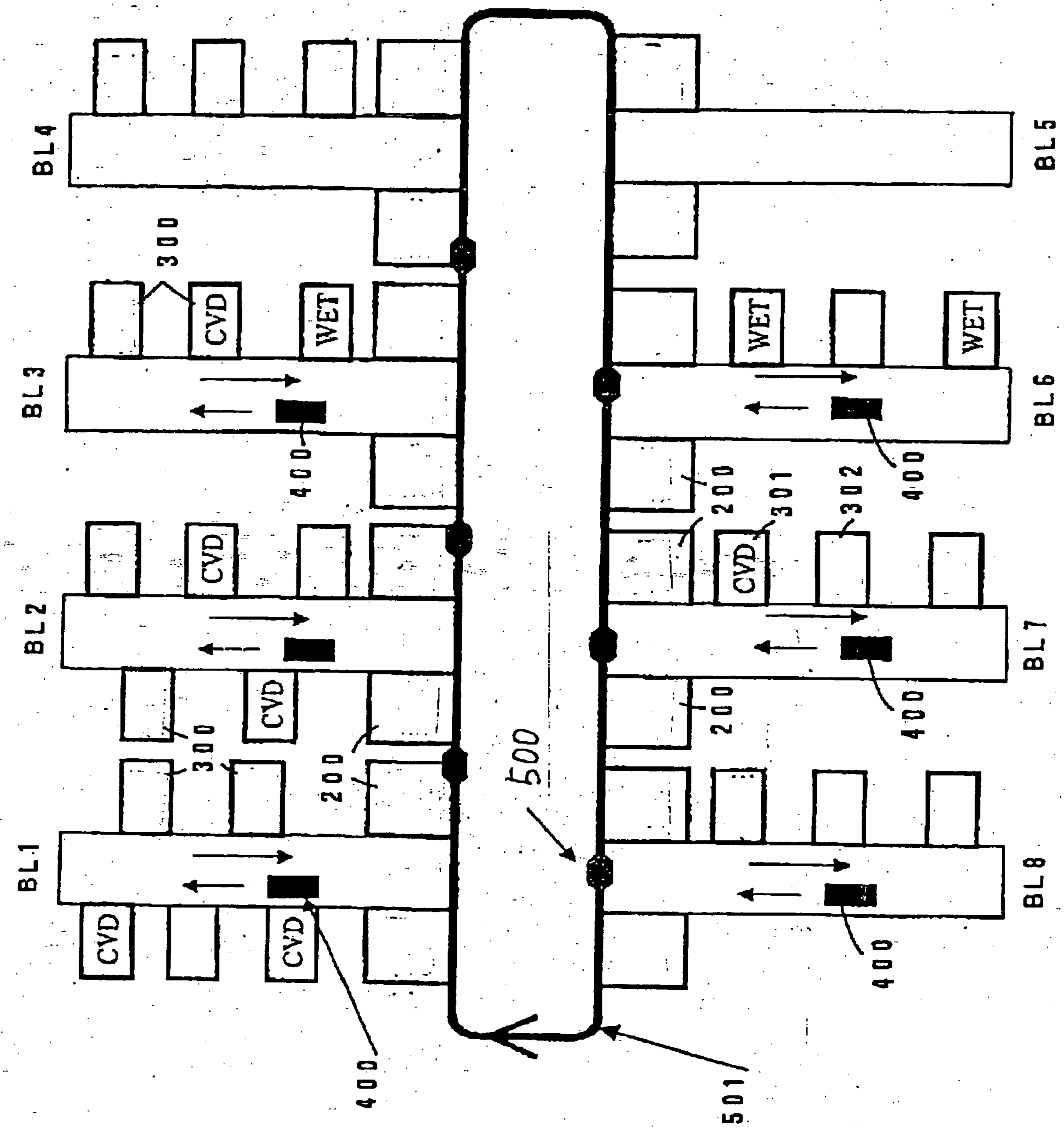

BL1
BL2
BL3
BL4
BL5
BL6
BL7
BL8
CVD
WET
200
300
301
302
400
500
501

FIG. 5

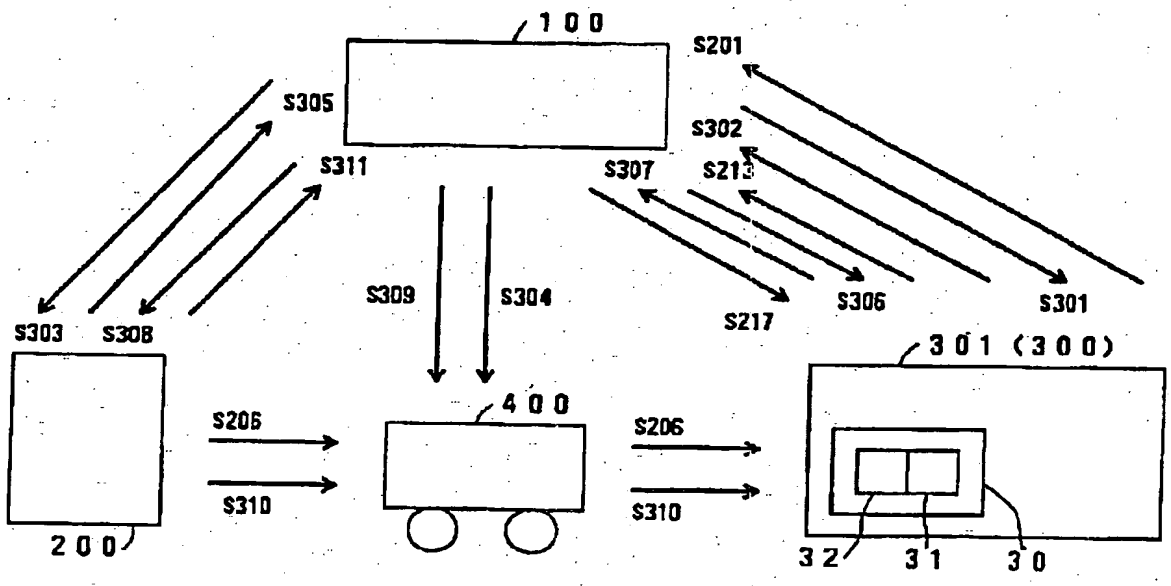


FIG. 6

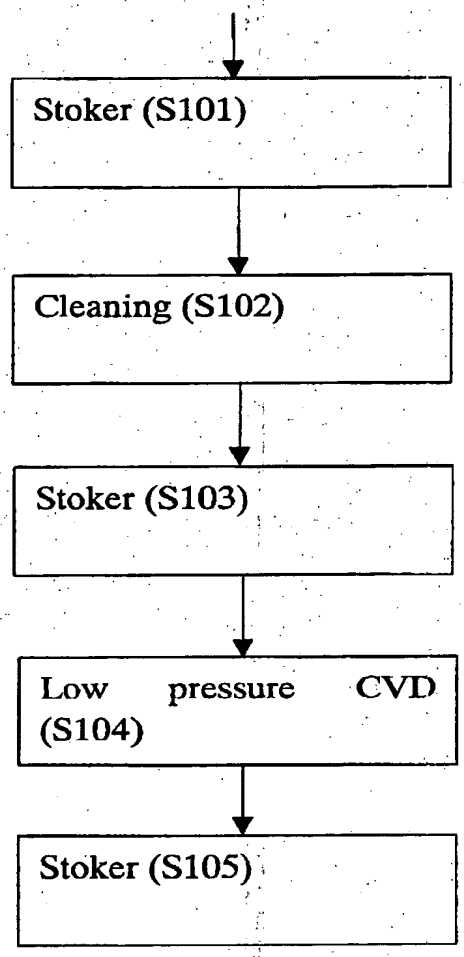


FIG. 7

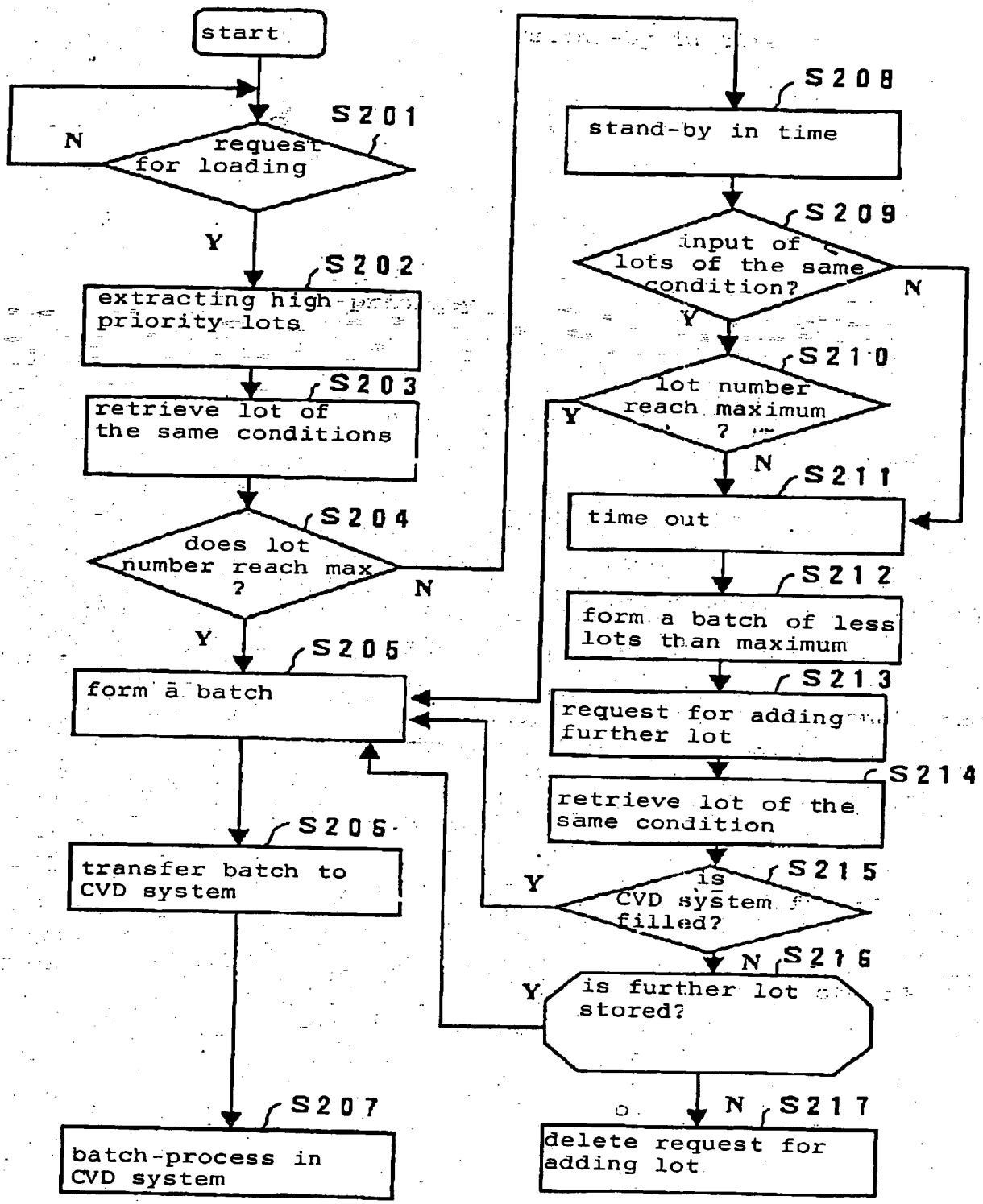

start
S201
request for loading
N
Y
S202
extracting high priority lots
S203
retrieve lot of the same conditions
S204
does lot number reach max ?
N
Y
S205
form a batch
S206
transfer batch to CVD system
S207
batch-process in CVD system
S208
stand-by in time
S209
input of lots of the same condition?
N
Y
S210
lot number reach maximum ?
Y
N
S211
time out
S212
form a batch of less lots than maximum
S213
request for adding further lot
S214
retrieve lot of the same condition
S215
is CVD system filled?
Y
N
S216
is further lot stored?
Y
N
S217
delete request for adding lot

FIG. 8

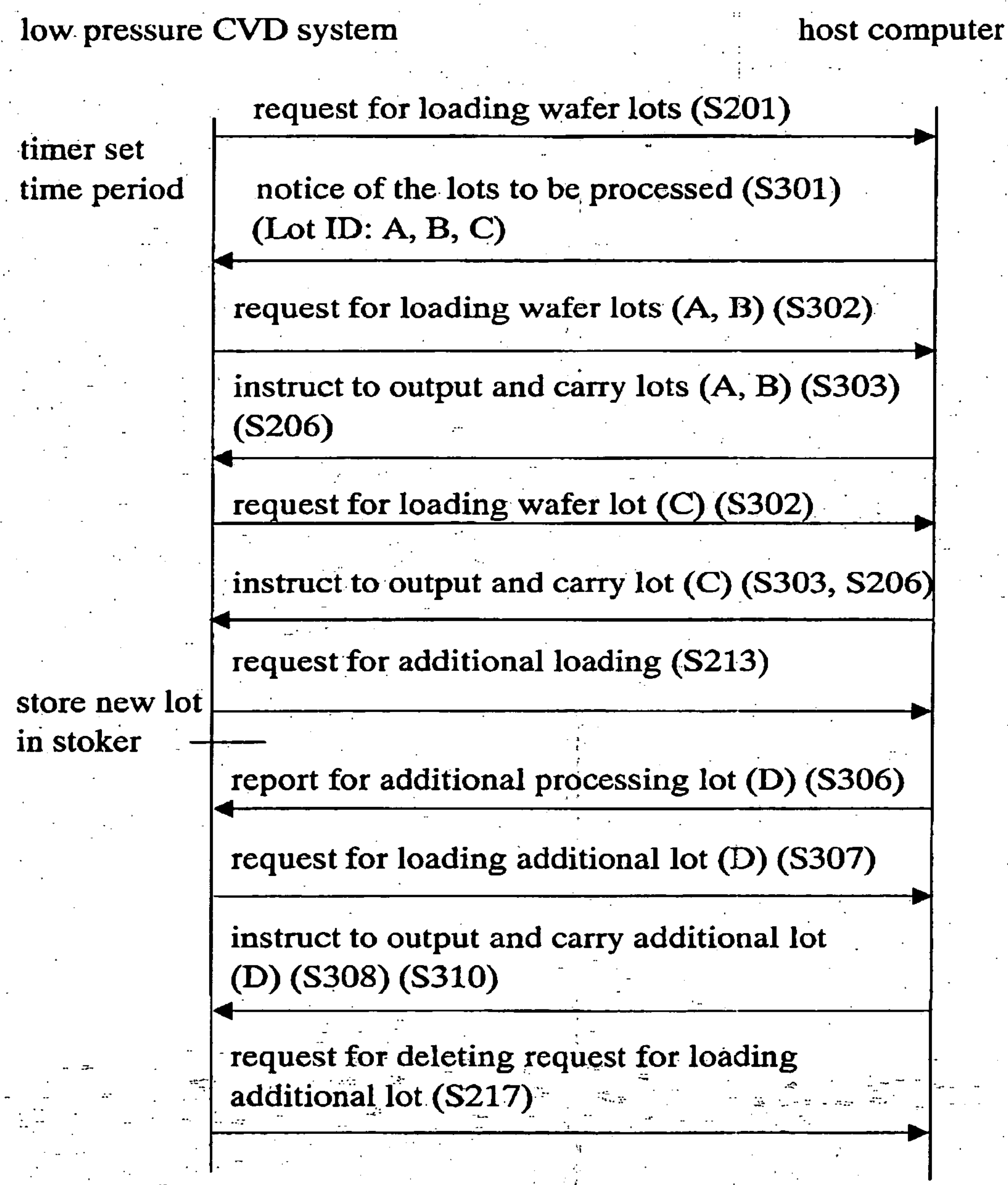
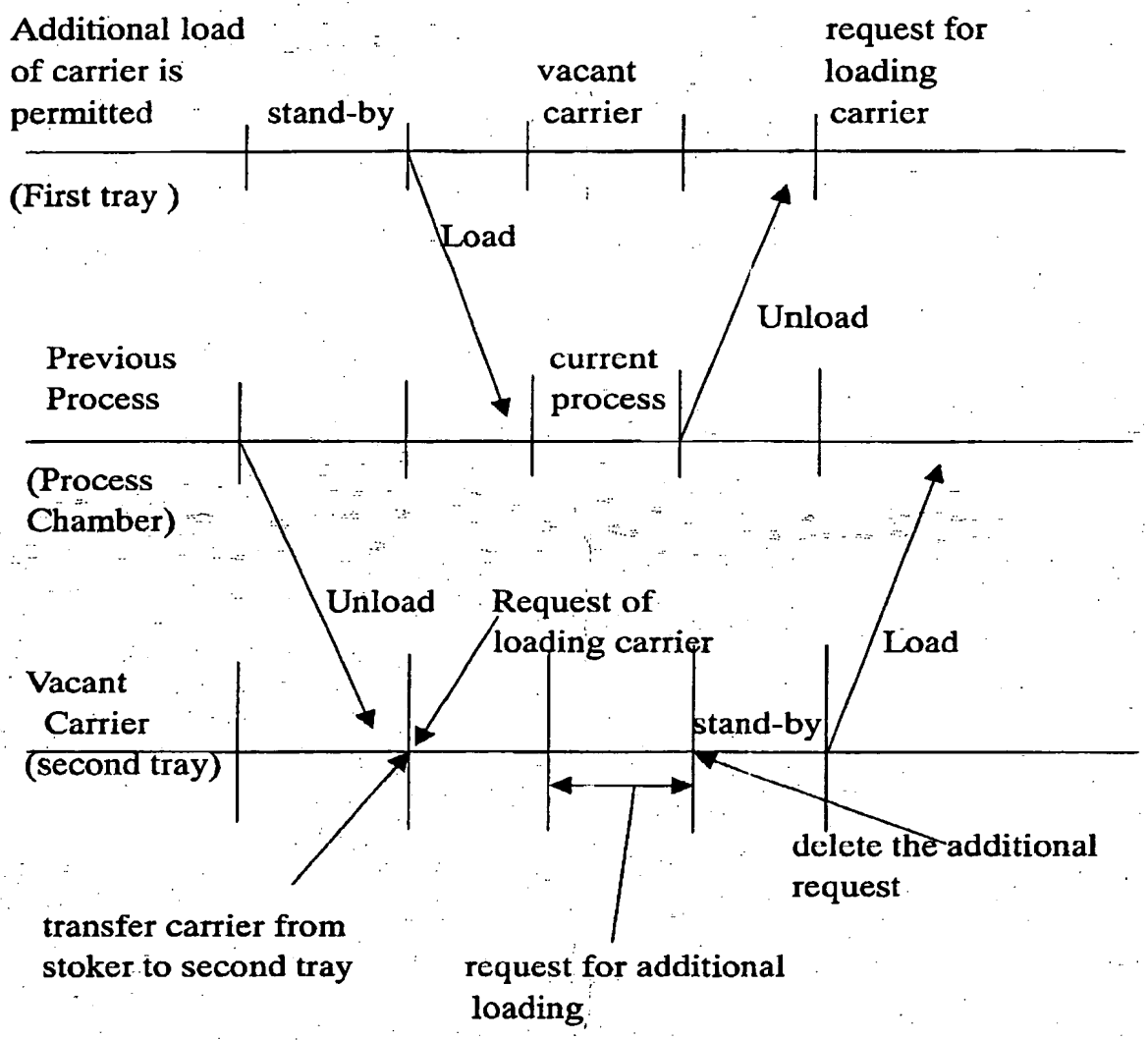


FIG. 9


Additional load of carrier is permitted
stand-by
vacant carrier
request for loading carrier
(First tray)
Load
Unload
Previous Process
current process
(Process Chamber)
Unload
Request of loading carrier
Load
Vacant Carrier
(second tray)
stand-by
delete the additional request
transfer carrier from stoker to second tray
request for additional loading